

PhDs, Change the Future



大学院教育改革 フォーラム 2024

2024 Forum for Graduate School
Educational Reform

2024

11/15^{Fri} — 11/16^{Sat}

Venue

Nagoya University, Higashiyama Campus

Streaming Available



Prof. Amano,
the Nobel Laureate gives a talk!

As demand for the training of advanced knowledge professionals who will be responsible for the future society and economy grows day by day, the “Global COE Program” of 2002, the “Program for Leading Graduate Schools” of 2011, and the “Doctoral Program for World-leading Innovative & Smart Education” (WISE Program) of 2018 have been implemented as graduate school policies. It is important that the initiatives and results of these leading programs be widely utilized in future reforms of graduate school education. Therefore, this forum aims to provide opportunities to hear from graduates of the Program for Leading Graduate Schools and the WISE Program who are active in various fields, and to interact directly with organizations considering hiring PhD talent. Additionally, we will create a platform for PhD students to propose how PhDs can thrive in society and provide opportunities for dialogue with universities, companies, and relevant ministries. We hope participants will directly witness the high expertise of PhD students and the excellent transferable skills they possess. We expect this forum to be a catalyst both for changing the future of PhD professionals and for helping PhD professionals themselves to change the future.

WISE Program



Greeting



We are facing a complex web of challenges, including climate change, emerging infectious diseases, global population growth alongside Japan's population decline, resource depletion in energy, food, and water, and ongoing wars and conflicts. In our globalized society, what may seem irrelevant to you actually affects your own daily life. In order to confront these problems, it is essential to collaborate with doctoral personnel in all fields who possess a high level of expertise and rich imagination. Based on these backgrounds, the theme of this year's forum, "PhDs, Challenge the Future," was established to provide following two opportunities. The first one is, provide an opportunity for participating doctoral students to think deeply about how their research can contribute to future society. Through this process, we hope that students will consider what is lacking and with whom they should collaborate in order to approach their own vision of society. Second, it is an opportunity to take the first step toward realizing this goal. I hope that seeing the activities of other doctoral students and alumni in this forum will inspire you to challenge yourself beyond the boundaries of conventional research. I believe that the activities of doctoral personnel are the driving force that will create the future. We will be very happy if this forum will give you the courage to move on to the next stage.

Akira Fujimaki

Vice President and Executive Director for Education and International Students
Director of 2024 Forum for Graduate School Educational Reform Project
Nagoya University

Program

Day 1 11/15 | Fri | 10:00-12:50, 13:10-18:00, 18:15-19:30

9:45~	Reception	
10:00~12:50	Corporate Booths	Toyoda Auditorium Symposion and Foyer
12:30~	Doors Open	
13:10~13:30	Opening Remarks : Naoshi Sugiyama (President of Nagoya University) Welcome Address : Ministry of Education, Culture, Sports, Science and Technology Japan Society for the Promotion of Science	Toyoda Auditorium Hall zoom
13:30~14:15	Keynote Speech : Hiroshi Kita (Technology Advisor, Technology Development Headquarters, Konica Minolta, Inc.) Introduction of PhD Talent Success Stories : Kosaku Noba (Technology Development Headquarters, Konica Minolta, Inc. / Graduate, Graduate Program of Transformative Chem-Bio Research, Nagoya University)	Toyoda Auditorium Hall zoom
14:30~16:00	Case Studies by Graduates Panel Discussion Panelists: Keynote speakers and case study presenters Moderator: Osami Shoji (Professor, Graduate Program of Transformative Chem-Bio Research (GTR), Nagoya University)	Toyoda Auditorium Hall zoom
(Coffee Break)		
16:30~18:00	Parallel Sessions [For faculty members] "What to do, to what extent, and how to implement reasonable accommodation?" (Shnpei Kudo, Associate Professor, Director of Ability Support Center, Student Support Center, Nagoya University), [For Graduate Students and Companies] Student Presentations (First Round Selection): "Proposals for Co-Creating the Future Looking Ten Years Ahead for PhDs"	TBC
18:15~19:30	Social Gathering at the Cooperate Booth	Toyoda Auditorium Symposion and Foyer

Day 2 11/16 | Sat | 9:00-12:15, 12:30-14:00

8:45~	Reception, Doors Open	Toyoda Auditorium Hall
9:00~10:00	Student Presentations (Final Round) : "Proposals for Co-Creating the Future Looking Ten Years Ahead for PhDs"	Toyoda Auditorium Hall
10:10~11:00	Responses to Student Proposals From University, Government, and Corporate Representatives	Toyoda Auditorium Hall
11:00~11:35	Discussion between Prof. Amano (Nobel laureate) and President Sugiyama of Nagoya University : "Message to PhDs Creating the Future"	Toyoda Auditorium Hall
11:35~12:15	Presentation Award Ceremony Handover Ceremony Closing Remarks: Akira Fujimaki (Vice President of Nagoya University)	Toyoda Auditorium Hall
12:30~14:00	Corporate Booths	Toyoda Auditorium Symposion and Foyer

Speakers



Hiroshi Kita

Technology Advisor, Technology Development Headquarters, Konica Minolta, Inc.

After completing his Master's degree in Applied Chemistry at the Graduate School of Engineering, Tohoku University in 1987, Hiroshi Kita joined the current Konica Minolta, Inc. He has been engaged in the development of functional compounds such as color photography and OLED. Summarizing the results of these research activities, he obtained a Doctorate in Science from the Graduate School of Science, Tohoku University in 2015. From 2017, he served as a Technology Fellow (Executive Officer). Since 2024, he has held his current position. From 2018 onwards, he has led research and development incorporating machine learning and served concurrently as Chairman of the Advanced Materials Rapid Development Technology Research Association (ADMAT) from 2021 to 2023. Currently, he promotes industry-academia collaboration as a member of Graduate Program of Transformative Chem-Bio Research (GTR) at Nagoya University, a visiting professor at the Digital Monozukuri (Manufacturing) Education and Research Center at Hiroshima University, and a visiting professor at Tokyo University of Technology.



Professor Hiroshi Amano

Director, Center for Integrated Research of Future Electronics (CIRFE), Institute of Materials and Systems for Sustainability (IMaSS), Nagoya University

Professor Hiroshi Amano received Doctor of Engineering from Nagoya University. Currently he is a Director, Center for Integrated Research of Future Electronics, and a Professor, Institute of Materials and Systems for Sustainability, Nagoya University. He shared the 2014 Nobel Prize in Physics with Prof. Isamu Akasaki and Prof. Shuji Nakamura "for the invention of efficient blue light-emitting diodes which has enabled bright and energy-saving white light sources". He is currently developing technologies for the fabrication of high-efficiency power semiconductor development and new energy-saving devices at Nagoya University.